

779-4A-ATAA

U.S. ENVIRONMENTAL PROTECTION AGENCY
 POLLUTION/SITUATION REPORT
 Cincinnati Die Cast Site - Removal Polrep
 Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region V

Subject: POLREP #1
 POLREP #1 - Initial POLREP
 Cincinnati Die Cast Site
 B5TZ
 Cincinnati, OH
 Latitude: 39.1701430 Longitude: -84.5142740

To:
From: Steven Renninger, On-Scene Coordinator
Date: 12/10/2009
Reporting Period: November 24 through December 10, 2009

1. Introduction

1.1 Background

Site Number:	B5TZ	Contract Number:	30281
D.O. Number:	0041	Action Memo Date:	11/4/2009
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	12/7/2009	Start Date:	12/7/2009
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time-Critical Removal Action

1.1.2 Site Description

The site was utilized as a foundry up until 2001 and an indoor scrap yard from 2006-2007. In July 2007, the Cincinnati Fire Department (CFD) issued an order requiring site owners to stop work and vacate the premise. The order was the result of a site inspection conducted after a fire that occurred on April 26, 2007.

On February 23, 2009, the Cincinnati Building Department condemned the building due to uncontaminized waste, the roof integrity and the non-existence of fire suppression equipment.

1.1.2.1 Location

The Site is located at 4524 West Mitchell Avenue, Cincinnati, Hamilton County, Ohio. The Site is approximately 1.5 acres in size and located in a mixed residential/commercial area of Cincinnati, Ohio. There is one building on the site that was constructed in 1929 and is approximately 58,000 square feet. The exterior of the structurally impaired building is constructed of a slab concrete foundation, concrete and brick walls, and a collapsed wooden roof. Debris including drums, batteries, cadmium/lead waste, wood, waste piles, process equipment, scrap wire, and non-hazardous trash is scattered inside the building.

1.1.2.2 Description of Threat

U.S. EPA has observed uncontainerized waste piles surrounding the furnaces and coolant trenches filled with waste oil, water, and debris. There are numerous unknown drums and small containers inside the building.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On September 30, 2009, U.S. EPA conducted a site assessment at the Site. U.S. EPA observed many broken windows and other evidence of trespassing and vandalism on the property. The building roof is collapsed in many areas with numerous floor areas containing rainwater. The Site has been temporarily secured by the CFD. During the site assessment, U.S. EPA collected samples from 15 locations, including drums, tanks, an underground storage tank (UST), small containers and waste piles. Analytical results showed laboratory samples with flash points between 93°F and 124°F. The UST was documented as containing oil with elevated levels of total petroleum hydrocarbons. In addition, the floor sweepings and waste piles were documented to contain metals including lead (Total Pb = 12,917 ppm and TCLP Pb = 294 ppm), arsenic (Total As = 1,293 ppm), chromium (Total Cr = 3,072 ppm) and cadmium (TCLP = 1.25 ppm).

In a letter dated October 6, 2009, CFD requested assistance from U.S. EPA Region V Superfund Division in conducting a potential time-critical removal action involving unsecured 55-gallon drums, tanks, USTs, numerous automobile batteries, and other waste associated with a scrap yard at the Site.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Removal activities were initiated on December 7, 2009. The Action Memo states that the following actions will be conducted at the site:

1. Develop and implement a site-specific Health and Safety (H&S) Plan, including an Air Monitoring Plan, and a Site Emergency Contingency Plan;
2. Develop and implement a Site Security Plan;
3. Inventory and perform hazard characterization on all substances contained in containers, drums and tanks;
4. Consolidate and package all hazardous substances, pollutants and contaminants for transportation and off-site disposal;

5. Dismantle and decontaminate process equipment, tanks and building components associated with the product process area, as necessary;
6. Transport and dispose of all characterized or identified hazardous substances, pollutants, wastes, or contaminants to a RCRA/CERCLA-approved disposal facility in accordance with U.S. EPA's Off-Site Rule (40 CFR § 300.440).

2.1.2 Response Actions to Date

On November 24, 2009, the Emergency Contingency Plan was finalized and posted on the www.epaosc.org website.

On December 4, 2009, the Health & Safety (H&S) Plan was finalized by the ERRS contractor.

On December 7, 2009, ERRS mobilized to the site and initiated removing non-hazardous debris from the outside of the building. All non-hazardous debris was loaded into 30-yd³ rolloff boxes. The H&S Plan was reviewed and signed by all personnel on site. "DANGER - Do Not Enter Hazardous Materials" signs were posted around the site. START finalized the Air Monitoring Plan and ERRS subcontracted a security service to provide off-hours security at the site. Off-shift site security initiated and will continue thru project completion. A command post was established on the east side of the site building including two office trailers. ERRS crew initiated removal of non-haz waste (2 roll-off boxes) to Rumpke Landfill. Hazardous waste is segregated pending disposal.

December 8, 2009: ERRS crew continued removal of non-haz waste (4 roll-off boxes) to Rumpke Landfill. Hazardous waste is segregated pending disposal.

December 9, 2009: ERRS crew continued removal of non-haz waste (4 roll-off boxes) to Rumpke Landfill. Hazardous waste is segregated pending disposal.

December 10, 2009: ERRS crew continued removal of non-haz waste (5 roll-off boxes) to Rumpke Landfill. Hazardous waste is segregated pending disposal.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

In November 2009 a Unilateral Administrative Order was issued to the previous site owners.

2.1.4 Progress Metrics

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<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Non-Haz Debris	Solid	15 boxes	001-015		X

2.2 Planning Section

2.2.1 Anticipated Activities

ERRS to continue removing and loading non-hazardous debris into rolloff boxes for off-site disposal. Hazardous waste is being staged pending disposal. Once the non-hazardous debris is removed, ERRS will begin removing and loading hazardous cadmium/lead waste into containers for off-site disposal.

2.2.1.1 Planned Response Activities

- 1) Remove and dispose all non-hazardous debris from inside and outside of building
- 2) Remove and dispose hazardous cadmium/lead waste.
- 3) Clean out all troughs filled with solids and liquids
- 4) Segregate all tires, paint cans, batteries and other questionable items from non-hazardous debris and properly dispose off site.
- 5) Pump waste oil tank contents and dispose.
- 6) Crush all empty drums
- 7) Decontaminate concrete floor

2.2.1.2 Next Steps

See Planned Activities above.

2.2.2 Issues

None.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

ERRS costs to date: \$40,877

START costs to date: \$6,000

“The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.”

2.5 Other Command Staff

2.5.1 Safety Officer

2.6 Liaison Officer

2.7 Information Officer

2.7.1 Public Information Officer

None.

2.7.2 Community Involvement Coordinator

None.

3. Participating Entities

3.1 Unified Command

U.S. EPA OSC Steve Renninger

U.S. EPA OSC Shelly Lam

3.2 Cooperating Agencies

Duane Herth - Cincinnati Fire Department

4. Personnel On Site

2 EPA OSCs

5 ERRS - 2 EQM and 3 Inland Waters

1 START - WESTON Solutions

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

For additional information, please refer to "Documents" on www.epaosc.org/

6.2 Reporting Schedule

The next POLREP will be submitted by January 1, 2010.

7. Situational Reference Materials

None.

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Cincinnati Die Cast Site - Removal Polrep
Final Removal Polrep



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V**

Subject: **POLREP #2
FINAL POLREP
Cincinnati Die Cast Site
B5TZ
Cincinnati, OH
Latitude: 39.1701430 Longitude: -84.5142740**

To:
From: Steven Renninger, On-Scene Coordinator
Date: 1/19/2010
Reporting Period: December 11, 2009 through January 19, 2010

1. Introduction

1.1 Background

Site Number:	B5TZ	Contract Number:	30281
D.O. Number:	0041	Action Memo Date:	11/4/2009
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	12/7/2009	Start Date:	12/7/2009
Demob Date:	1/19/2009	Completion Date:	1/19/2009
CERCLIS ID:	OHN 000 510 398	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time-Critical Removal Action

1.1.2 Site Description

The site was utilized as a foundry until 2001 and an indoor scrap yard from 2006-2007. In July 2007, the Cincinnati Fire Department (CFD) issued an order requiring site owners to stop work and vacate the premise. The order was the result of a site inspection conducted after a fire that occurred on April 26, 2007.

On February 23, 2009, the Cincinnati Building Department condemned the building due to uncontainerized waste, the roof integrity and the non-existence of fire suppression equipment. On October 6, 2009, the CFD requested US EPA to evaluate the site for a potential time critical removal action.

1.1.2.1 Location

The Site is located at 4524 West Mitchell Avenue, Cincinnati, Hamilton County, Ohio. The Site is

approximately 1.5 acres in size and located in a mixed residential/commercial area of Cincinnati, Ohio. There is one building on the site that was constructed in 1929 and is approximately 58,000 square feet. The exterior of the structurally impaired building is constructed of a slab concrete foundation, concrete and brick walls, and a collapsed wooden roof. Debris including drums, batteries, cadmium/lead waste, wood, waste piles, process equipment, scrap wire, and non-hazardous trash is scattered inside the building.

1.1.2.2 Description of Threat

U.S. EPA has observed uncontainerized waste piles surrounding the die-cast pressure vessels and coolant trenches filled with waste oil/sludge, water, and debris. There are numerous unknown drums and small containers (paint drums, paint cans, oil, aerosol paints) inside the building.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On September 30, 2009, U.S. EPA conducted a site assessment at the Site. U.S. EPA observed many broken windows and other evidence of trespassing and vandalism on the property. The building roof is collapsed in many areas with numerous floor areas containing rainwater. The Site has been temporarily secured by the CFD. During the site assessment, U.S. EPA collected samples from 15 locations, including drums, tanks, an underground storage tank (UST), small containers and waste piles. Analytical results showed laboratory samples with flash points between 93°F and 124°F. The UST was documented as containing oil with elevated levels of total petroleum hydrocarbons. In addition, the floor sweepings and waste piles were documented to contain metals including lead (Total Pb = 12,917 ppm and TCLP Pb = 294 ppm), arsenic (Total As = 1,293 ppm), chromium (Total Cr = 3,072 ppm) and cadmium (TCLP = 1.25 ppm).

In a letter dated October 6, 2009, CFD requested assistance from U.S. EPA Region V Superfund Division in conducting a potential time-critical removal action involving unsecured 55-gallon drums, tanks, USTs, numerous automobile batteries, and other waste associated with a scrap yard at the Site.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

US EPA removal activities were initiated on December 7, 2009. The Action Memo states that the following actions will be conducted at the site:

1. Develop and implement a site-specific Health and Safety (H&S) Plan, including an Air Monitoring Plan, and a Site Emergency Contingency Plan;
2. Develop and implement a Site Security Plan;
3. Inventory and perform hazard characterization on all substances contained in containers, drums and tanks;
4. Consolidate and package all hazardous substances, pollutants and contaminants for transportation and off-site disposal;
5. Dismantle and decontaminate process equipment, tanks and building components associated with the product process area, as necessary;
6. Transport and dispose of all characterized or identified hazardous substances, pollutants, wastes, or contaminants to a RCRA/CERCLA-approved disposal facility in accordance with U.S. EPA's Off-Site Rule (40 CFR § 300.440).

On November 24, 2009, the Emergency Contingency Plan was finalized, distributed to CFD, and posted on the www.epaosc.org website.

On December 7, 2009, ERRS crew mobilized and began time-critical removal actions at the site.

2.1.2 Response Actions to Date

On December 11, 2009, ERRS (EPA removal contractors) continued removal of non-haz waste by transporting 3 roll-off boxes to Rumpke Landfill, Cincinnati, Ohio. All paint and oil waste was segregated pending disposal.

On December 14, 2009, ERRS continued removal of non-haz waste by transporting 3 roll-off boxes to Rumpke Landfill. Hazardous waste (paint cans, aerosol cans, oil containers) is segregated pending disposal. ERRS crew pumped out non-haz water from the 3-foot deep trenches containing thick sludge into tanker trucks. A total of 4 tanker trucks (11,800 gallons) were used to pump out the water. The water was transported to Northern Hills Oil Co., Dayton, Ohio for off-site disposal. Two tanker trucks were filled (6,000 gallons) with the waste and transported for off-site disposal to Northern Hills Oil Co., Dayton, Ohio.

On December 15, 2009, ERRS continued to clean out the building and load rolloff boxes with general debris/waste. EPA OSC met with BUSTR representatives to determine the locations of all USTs on site. After a site walkthrough and a review of previous BUSTR inspection reports, BUSTR determined that there is only one UST on site. ERRS received final disposal quotes for the lab packing of the paint cans, aerosols and oil containers.

On December 16, 2009, ERRS continued removal of non-haz waste by shipping 2 roll-off boxes to Rumpke Landfill. Hazardous waste (paint cans, aerosol cans, oil containers) is segregated pending disposal. A total of 167 tires were loaded and transported to Rumpke Landfill for off-site disposal. ERRS crew mobilized a mini-excavator and began removing the sludge from the trenches within the building. ERRS crew began using a pneumatic chipper to remove the hazardous waste solids from the two die-cast pressure vessels within the building.

On December 17, 2009, ERRS continued removal of non-haz waste by shipping 3 roll-off boxes to Rumpke Landfill. Hazardous waste (paint cans, aerosol cans, oil containers) is segregated pending disposal. ERRS received approval from the disposal facility on the hazardous solids. ERRS continued cleaning out oil sludge/solids from the trenches and continued removing the solids with a pneumatic chipper from the die cast pressure vessels.

On December 18, 2009, ERRS continued cleaning out sludge/solids from the trenches and continued removing the solids with a pneumatic chipper from the die cast pressure vessels. The sludge/solids is being stockpiled for later solidification with fly ash for disposal. ERRS crew pumped out non-haz water from the 3-foot deep trenches. One tanker truck (1,500 gallons) was filled and transported to Northern Hills Oil Co., Dayton, Ohio for off-site disposal. A HASP amendment was written and approved for ERRS to conduct a confined space entry and cleaning of the UST.

On December 21, 2009, ERRS continued cleaning out sludge/solids from the trenches and continued removing the solids with a pneumatic chipper from the die cast pressure vessels. One of the two pressure vessels was completed on December 21, 2009. ERRS completed cleaning out the UST as a confined space entry. A supersucker vacuum truck was onsite to pump out 2,630 gallons of water and sludge from the bottom of the UST. The contents within supersucker vacuum truck were transported to Northern Hills Oil Co., Dayton, Ohio for off-site disposal. A second vacuum truck was on site and pumped out 1,500 gallons of trench solids from the various trenches inside the building. The contents within the second vacuum truck were transported to PSC Environmental Services, Detroit, Michigan for off-site disposal.

On December 22, 2009, ERRS continued cleaning out sludge/solids from the trenches and continued removing the solids with a pneumatic chipper from the last die cast pressure vessel.

On December 23, 2009, ERRS continued cleaning out sludge/solids from the trenches and continued removing the solids with a pneumatic chipper from the last die cast pressure vessel. ERRS began solidifying the sludge/solids with fly ash for future disposal.

December 24 through December 27, 2009 -- No site work conducted during holidays. Site security on site.

On December 28, 2009, ERRS continued cleaning out sludge/solids from the trenches and continued removing the solids with a pneumatic chipper from the last die cast pressure vessel.

On December 29, 2009, ERRS continued cleaning out sludge/solids from the trenches and continued removing the solids with a pneumatic chipper from the last die cast pressure vessel. ERRS loaded and transported two rolloff boxes containing hazardous solids for disposal at Michigan Disposal Waste Treatment, Belleville, Michigan.

On December 30, 2009, ERRS continued cleaning out sludge/solids from the trenches and continued removing the solids with a pneumatic chipper from the last die cast pressure vessel. ERRS using saws to cut metal pressure vessels for scrapping. Representatives from PetroChem Processing Group, Detroit, Michigan were on site and loaded up the following hazardous waste for lab packing disposal: Paint waste (two 55-gal drums, one 85-gal drum and one 110-gal drum), Paint cans (four one-cubic-yard boxes), aerosol paint cans (one 5-gal bucket), one acetylene tank and seven propane tanks).

December 31, 2009 through January 10, 2010 -- No site work conducted. Site security on site.

On January 11, 2010, ERRS continued cleaning out sludge/solids from the trenches and continued removing the solids with a pneumatic chipper from the last die cast pressure vessel.

On January 12, 2010, ERRS continued cleaning out sludge/solids from the trenches and continued removing the solids with a pneumatic chipper from the last die cast pressure vessel. ERRS transported 1 rolloff box containing non-haz waste to Rumpke Landfill. ERRS transported 4 old batteries found in the building to a local battery company for recycling. ERRS transported 2 old oxygen cylinders to Liquid Carbonics for recycling.

On January 13, 2010, ERRS continued cleaning out sludge/solids from the trenches and continued removing the solids with a pneumatic chipper from the last die cast pressure vessel.

On January 14, 2010, ERRS continued cleaning out sludge/solids from the trenches and completed removing the solids with a pneumatic chipper from the last die cast pressure vessel. ERRS used bobcat with sweeper attachment to clean the building floor. ERRS transported out 1 rolloff box containing non-haz waste to Rumpke Landfill.

On January 15, 2010, ERRS continued to clean the inside of building, final cleanout of the various trenches and continued to use the bobcat with sweeper attachment to clean the building floor.

On January 18, 2010, ERRS completed interior decon of building using a bobcat with sweeper attachment. A total of 4 rolloff boxes (56 tons) containing hazardous solids were transported for off-site disposal to Michigan Disposal Waste Treatment Plant, located in Belleville, Michigan.

On January 19, 2010, the last non-hazardous waste rolloff box containing general trash/debris was transported to Rumpke Landfill for disposal. All personnel and equipment demobilized from the site. Both office trailers, porta-johns and the electric generator were demobilized.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

In November 2009 a Unilateral Administrative Order was issued to the site owner. No response to date from the site owner.

2.1.4 Progress Metrics

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DISPOSAL SUMMARY TABLE

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Non-Haz Debris	Solid	29 boxes (870 yd3)	041001 thru 041029	Landfill	Rumpke Lanfill Cincinnati, OH
Sump Water	Liquid	15,930 gallons	Various	Treatment	Northern Hills Oil Co. Dayton, OH
Sludge/water	Liquid	6,000 gallons	20101 and 20104	Treatment	Northern Hills Oil Co. Dayton, OH
Hazardous waste - trench sludge	Sludge	1,500 gallons	04101	Treatment	PSC Environmental Services Detroit, MI
Hazardous Solids (trench solids and floor debris)	Solid	6 rolloff boxes (92 tons)	Various	Treatment	Michigan Disposal Waste Treatment Belleville, MI
Lab Packs: Paint Drums/Cans/Aerosols, Oils, acetylene and propane tanks	Solid and Liquid	Various	005057379	Treatment	Petro-Chem Processing Group Detroit, MI
Tires	Solid	167 tires	None	Recycling	Rumpke Landfill Cincinnati, OH

2.2 Planning Section

2.2.1 Anticipated Activities

None.

2.2.1.1 Planned Response Activities

None.

2.2.1.2 Next Steps

EPA to conduct a final site walkthrough with the building owner on January 27, 2010.

2.2.2 Issues

1) Site work is completed.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

ERRS costs to date: \$218,870

START costs to date: \$15,000

“The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.”

2.5 Other Command Staff

2.5.1 Safety Officer

On December 7, 2009, the Health & Safety (H&S) Plan was finalized by the ERRS contractor.

On December 18, 2009, a HASP amendment was written and approved for ERRS to conduct a confined space entry and cleaning of the UST.

On January 19, 2010, the project was completed and all personnel and equipment demobilized from the site. No site-related injuries were encountered during the removal action.

2.6 Liaison Officer

2.7 Information Officer

2.7.1 Public Information Officer

None.

2.7.2 Community Involvement Coordinator

No activity.

3. Participating Entities

3.1 Unified Command

U.S. EPA OSC Steve Renninger

U.S. EPA OSC Shelly Lam

3.2 Cooperating Agencies

Duane Herth - Cincinnati Fire Department

4. Personnel On Site

All EPA, ERRS, START, and Security personnel demobilized on January 19, 2010.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

For additional information, please refer to “Documents” on www.epaosc.org/cincinnatiidiecastsitesite

6.2 Reporting Schedule

This is the FINAL POLREP for the project.

7. Situational Reference Materials

None.